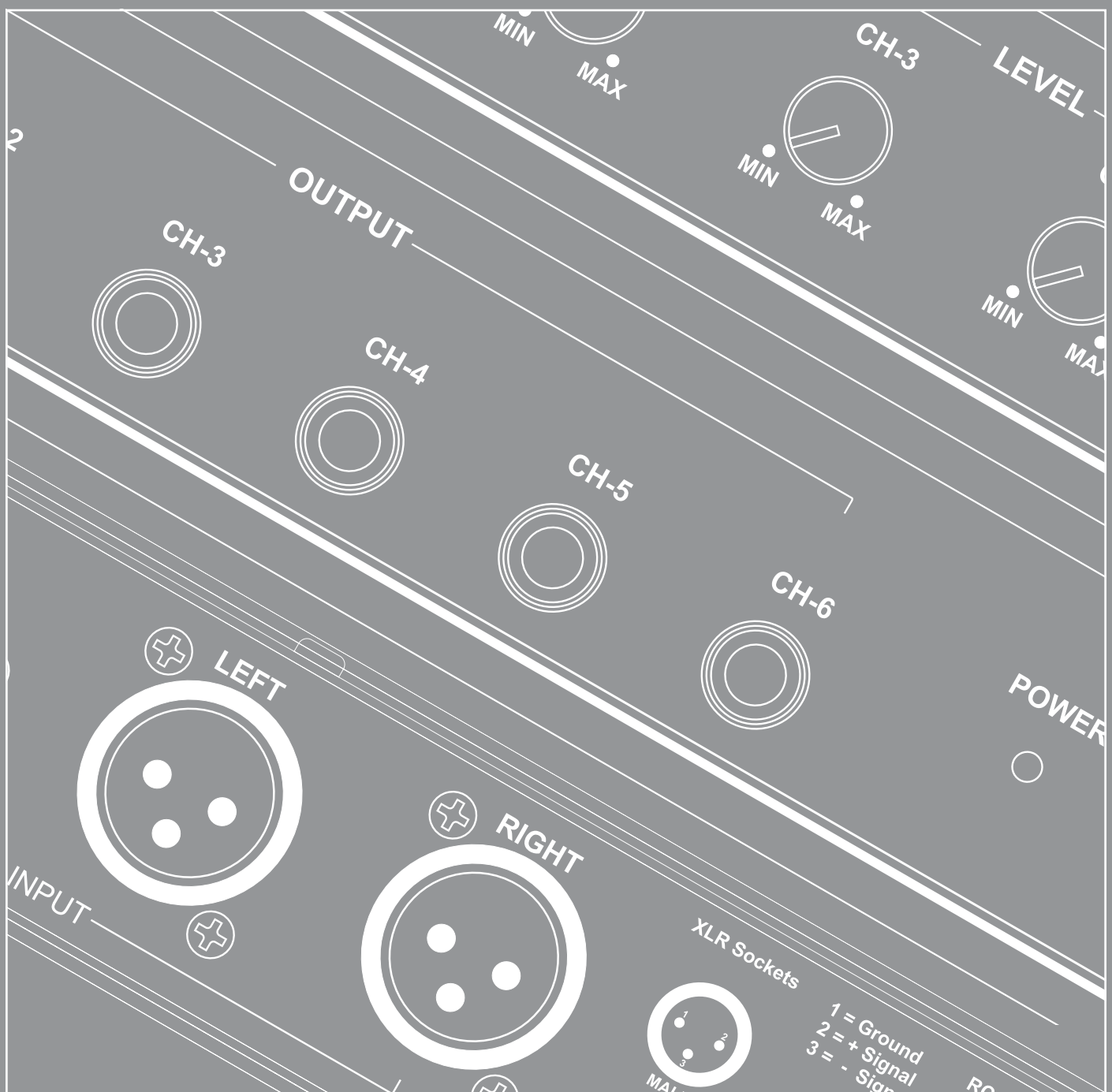


# HA6

## 6 CHANNEL STEREO HEADPHONE AMPLIFIER INSTALLATION AND OPERATION MANUAL





## IMPORTANT SAFETY INFORMATION



1. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
2. Read all documentation before operating your equipment. Retain all documentation for future reference.
3. Follow all instructions printed on unit chassis for proper operation.
4. Do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
5. Make sure power outlets conform to the power requirements listed on the back of the unit.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
8. Mains voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
9. Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
10. Power down & disconnect units from mains voltage before making connections.
11. Never hold a power switch in the "ON" position if it won't stay there itself!
12. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, weathersheet, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign matter.
14. Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages. There are no user serviceable parts inside.
15. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
16. Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
17. Do not run the output of any amplifier channel back into another channel's input. Do not parallel- or series-connect an amplifier output with any other amplifier output. Australian Monitor Inc is not responsible for damage to loudspeakers for any reason.
18. Do not ground any red ("hot") terminal. Never connect a "hot" (red) output to ground or to another "hot" (red) output!
19. Non-use periods. The power cord of equipment should be unplugged from the outlet when left unused for a long period of time.
20. Service Information Equipment should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the equipment
  - C. The equipment has been exposed to rain
  - D. The equipment does not appear to operate normally, or exhibits a marked change in performance
  - E. The equipment has been dropped, or the enclosure damaged.

THIS SAFETY INFORMATION IS OF A GENERAL NATURE AND MAY BE SUPERSEDED BY INSTRUCTIONS CONTAINED WITHIN THIS MANUAL

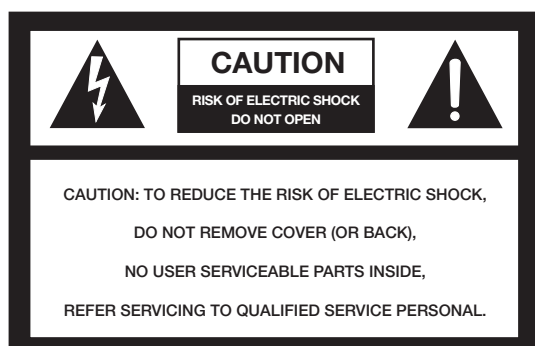
# INTRODUCTION AND CONTENTS

The AM Pro series HA6 is a 1RU, high quality, stereo in to six stereo out professional headphone amplifier. The HA6 features either balanced XLR, dual RCA or stereo 6.35mm jack inputs and six 6.35mm stereo headphone outputs each with individual front panel level controls.

Thank you for purchasing the Australian Monitor HA6.

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AUS, EUR, USA  
Rev A 28/03/07



## WARNING!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK  
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

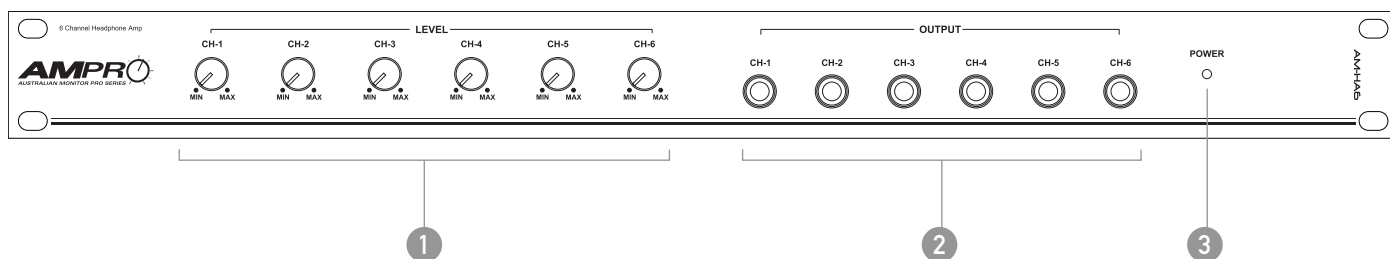


This symbol is intended to alert the user to the presence of important operational and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution:

To prevent electric shock do not use this (polarised) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure. To prevent electric shock, match wide blade of plug to wide slot, fully insert.

# FRONT & REAR PANEL



## 1 LEVEL

This pot controls the level of the output signal of the corresponding channel.

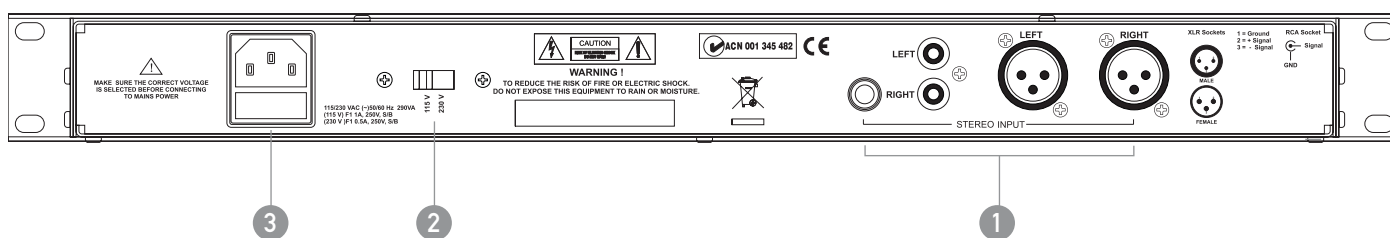
## 2 OUTPUT

A 6.35mm stereo socket provides connection for a headphone. The level is controlled by the corresponding channel LEVEL pot.

## 3 POWER ON LED

This indicates there is power to the unit.

## REAR PANEL



## 1 STEREO INPUT

There are 3 parallel inputs for connecting sources to.

XLR input - These are balanced line level inputs for left and right.

RCA input - These are unbalanced line level inputs for left and right.

6.35mm Jack - This is for a TRS 6.35mm (1/4") plug. Left is on the tip and right is on the sleeve.

## 2 VOLTAGE SELECT SWITCH

This switch is used to select the mains voltage for your region.



**WARNING:** Check that this switch is in the correct position for your region before turning on the device. Operating this equipment with the wrong setting may result in damage to the unit.



**IMPORTANT:** Disconnect power to the amplifier before operating this switch.

## 3 IEC MAINS INPUT SOCKET

This is a standard IEC 3 pin socket. It accepts a standard IEC mains cable, provided. The fuse draw contains the mains fuse and a spare. The mains fuse is a time lag (slow blow) HRC 20mm x 5mm ceramic type fuse.

The ratings are:

230V/240V model:

63mA

115V model:

125mA



**IMPORTANT:** Always replace the fuse with one of the same value and type.



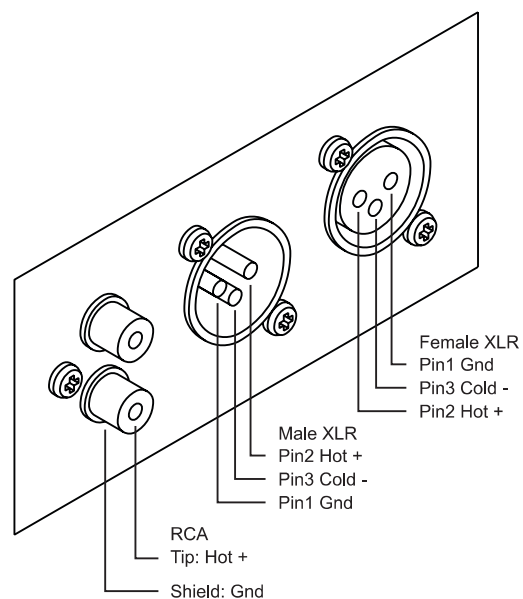
**NOTE:** Always disconnect power to the HA6 before replacing fuses.

# INSTALLATION & TROUBLESHOOTING

## INPUT CONNECTIONS

For wiring balanced in, pin 2 is hot. Balanced input wiring (shielded pair cable) is recommended.

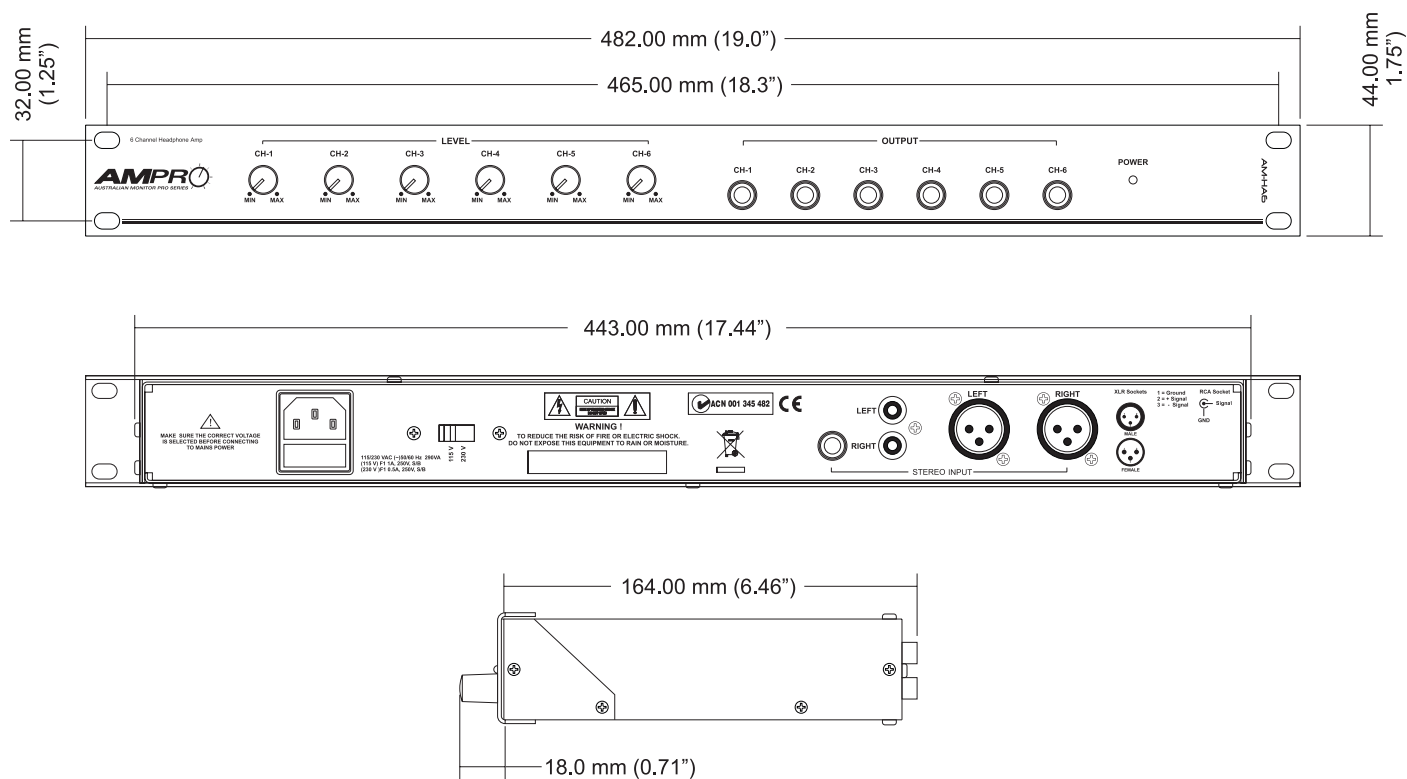
Unbalanced RCA wiring should be keep as short as possible. Typically less than 3m.



## TROUBLESHOOTING GUIDE

TROUBLE	LIKELY CAUSE	REMEDY
Power LED not on	Power not reaching unit	Check mains connection Check mains fuse
Distorted sound	Output is being over driven	Reduce output volume
No sound but amp is on	Volume turned down	Check volume controls

# DIMENSIONS



# SPECIFICATIONS

FREQUENCY RESPONSE		20Hz - 20kHz (+0,-3dB)
TOTAL HARMONIC DISTORTION		< 0.1% @ 1kHz
SIGNAL TO NOISE RATIO		> 90dB (all pots at centre position)
CROSSTALK		>70dB
SENSITIVITY (TRIM IN CENTRE 0dB)		Line Sens 0.775V, 0dBu Imp >100k RCA 200mV, -12dBu Imp 30kohm TRS 0.775V, 0dBu Imp 10k
MAX LEVEL IN		XLR mic -9dBu line >30dBu RCA >30dBu TRS >30dBu
MAX LEVEL OUT		+21dBu
OUTPUTS	NOMINAL LEVEL	0dBu into 1kohm
	IMP	100ohm
POWER INPUT		AC: 230V/50Hz or 115V/60Hz, 3 pin IEC320-C14 connector
POWER CONSUMPTION (MAX)		7.5VA
FUSES	MAINS (115V)	125mA
	MAINS (230V)	63mA
DIMENSIONS H X W X D		44mm x 482mm x 182mm (1.75"x19"x7.2")
SHIPPING DIMENSIONS		90mm x 505mm x 270mm (3.5"x19.9"x10.6")
WEIGHT		Net 2.8kg (6.2lb) Shipping 3.8kg (8.4lb)

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